

# OIL ANALYSIS REPORT

# VOLVO PENTA

## LYON BOAT LIFT 17307 VOLVO PENTA 7008543005 - VARIABLE SPEED - DIESEL ENGINE

Sample No: VPA051847

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

### SAMPLE INFORMATION

Sample Number	VPA051847	---	---	---
Sample Date	20 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Western Branch Diesel, Inc. - VP527273

3504 SHIPWRIGHT ST

PORTSMOUTH, VA

US 23703

Contact: GEORGE ROGIC

grogic@wbdiesel.com

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### OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 8.3	---	---	---
Oxidation (PA)	%	61	---	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	50	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 21	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 2	---	---	---

### WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 65	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	█ 1935	---	---	---
Magnesium	ppm	█ 348	---	---	---
Zinc	ppm	█ 1248	---	---	---
Phosphorus	ppm	█ 1081	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 114	---	---	---

Depot: VP155396

Unique No: 10938885

Signed: Don Baldrige

Report Date: 24 Mar 2024

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## GRAPHS

